

AMENDMENT UNDER 37 C.F.R. § 1.111
U.S. Appln. No. 10/797,102
Attorney Docket No.: Q80311

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (original): A magneto-generator comprising:
 - a flywheel having a cylindrical portion and rotating about a rotation axis;
 - a plurality of magnets disposed on an inner circumferential surface of the cylindrical portion of the flywheel and rotating together with the flywheel;
 - a stator core having a laminated core formed by laminating a plurality of magnetic thin plate, the laminated core having an annular portion and a plurality of teeth projecting from the annular portion outward and opposed to the plurality of magnets; and
 - a plurality of generation coils, each of generation coils wound on the respective teeth of the laminated core, wherein:
 - the stator core has two end plates that are made of a metal material and disposed on both sides of the laminated core in such a manner that the laminated core is sandwiched in between;
 - each of the teeth of the laminated core has a first portion extending in a radial direction and a second portion projecting in a circumferential direction from an outer end of the first portion on both sides thereof; and
 - each of the two end plates has a first portion that is laid on the first portion of each of the teeth and a second portion that is laid on the second portion of each of the teeth, at least the first portion of each of the two end plates is smaller in circumferential width than the first portion of

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each of the teeth, and at least the second portion of at least one of the two end plates is made of a non-magnetic metal material.

2. (original): The magneto-generator according to claim 1, wherein the second portion of each of the two end plates has a projection that projects parallel with the rotation axis.

3. (original): The magneto-generator according to claim 1, wherein at least the second portions of both end plates are made of the non-magnetic metal material.

4: (original): The magneto-generator according to claim 2, wherein at least the second portions of both end plates are made of the non-magnetic metal material.

5. (original): The magneto-generator according to claim 1, wherein the non-magnetic metal material is stainless steel.

6. (original): The magneto-generator according to claim 2, wherein the non-magnetic metal material is stainless steel.

7. (original): The magneto-generator according to claim 3, wherein the non-magnetic metal material is stainless steel.

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8. (original): The magneto-generator according to claim 1, wherein the first and second portions of both end plates are made of the non-magnetic metal material.

9. (original): The magneto-generator according to claim 8, wherein the non-magnetic metal material is stainless steel.

10. (original): The magneto-generator according to claim 8, wherein the one of the two end plates is thinner than the other.

11. (original): The magneto-generator according to claim 10, wherein the one end plate is made of stainless steel and the other end plate is made of aluminum.

12. (original): The magneto-generator according to claim 1, wherein an outer surface of each of the teeth of the laminated core and the two end plates are coated with an insulating film and each of the generation coils is wound on the insulating film.

13. (new): The magneto-generator according to claim 1, wherein the second portion of at least one of the two end plates has a projection portion that projects from the second portion of a respective tooth.

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14. (new): The magneto-generator according to claim 13, wherein the first portion, the second portion, and the projection portion of the at least one of the two plates are integrally formed.

15. (new): The magneto-generator according to claim 1, wherein at least the second portion of each of the two end plates is smaller in circumferential width than the second portion of each of the teeth.

16. (new): A magneto-generator comprising:
a rotor rotating about a rotation axis and including a cylindrical portion and a plurality of magnets disposed on an inner circumferential surface of a cylindrical portion;

a stator core including a plurality of teeth opposed to the plurality of magnets, the stator core has a laminated core formed by laminating a plurality of magnetic thin plate, and two end plates disposed on both ends of the laminated core in such manner that the laminated core is sandwiched in between; and

a plurality of generation coils, each of generation coils wound on the respective teeth of the stator,

wherein:

each of the teeth of the laminated core has a first portion extending in a radial direction and a second portion projecting in a circumferential direction from an outer end of the first portion on both sides thereof,

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each of the two end plates is made of a non-magnetic metal material and has a first portion that is laid on the first portion of each of the teeth and a second portion that is laid on the second portion of each of the teeth, and

the second portion of each of the two end plates has a projection projecting in a direction along the rotating axis.

17. (new): A magneto-generator comprising:

a rotor rotating about a rotation axis and including a cylindrical portion and a plurality of magnets disposed on an inner circumferential surface of a cylindrical portion;

a stator core including a plurality of teeth opposed to the plurality of magnets, the stator core has a laminated core formed by laminating a plurality of magnetic thin plate,^s and two end plates disposed on both ends of the laminated core in such manner that the laminated core is sandwiched in between; and

a plurality of generation coils, each of ^{the} generation coils wound on the respective teeth of the stator,

wherein:

each of the teeth of the laminated core has a first portion extending in a radial direction and a second portion projecting in a circumferential direction from an outer end of the first portion on both sides thereof,

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each of the two end plates is made of a non-magnetic metal material and has a first portion that is laid on the first portion of each of the teeth and a second portion that is laid on the second portion of each of the teeth, and edges of each of the two end plates that are distant from the laminated core are chamfered.

18. (new): The magneto-generator according to claim 16, wherein the non-magnetic metal material is stainless steel.

19. (new): The magneto-generator according to claim 17, wherein the non-magnetic metal material is stainless steel.